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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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**Complete if Known**

Application Number	Not yet assigned
Filing Date	March 15, 2004
First Named Inventor	Ozgur Sahin
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	STF-S02-045

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
RR		US- 5,742,377 ✓	04-31-1998	Minne et al.	
		US- 5,883,705 ✓	03-16-1999	Minne et al.	
		US- 6,075,585 ✓	06-13-2000	Minne et al.	
		US- 5,483,822 ✓	01-16-1996	Albrecht et al.	
		US- 6,349,591 B1	02-26-2002	Fretigny et al.	
		US- 5,519,212 ✓	05-21-1996	Elings et al.	
		US- 5,412,980 ✓	05-09-1995	Elings et al.	
		US- Re. 36,488 ✓	01-11-2000	Elings et al.	
		US- 6,298,715 B1	10-09-2001	Thomson et al.	
		US- 6,452,170 B1 ↗	09-17-2002	Zypman et al.	
		US- 6,578,410 B1	06-17-2003	Israelachvili	
		US- 5,866,805 ✓	02-02-1999	Han et al.	
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> ( <i>if known</i> )				

Examiner Signature

RAEVIS

Date Considered

8-31-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RP		SAHIN et al., "Harmonic Cantilevers for Nanomechanical Sensing of Elastic Properties", Transducers '03, The 12th International Conference on Solid State Sensors, Actuators and Microsystems, Boston, June 8-12, 2003, pp. 1124-1127	
RR		SAHIN et al., "Simulation of Higher Harmonics Generation in Tapping-Mode Atomic Force Microscopy", Applied Physics Letters, Volume 79, Number 26, December 24, 2001, pp. 4455-4457	
PL		STARK et al., "Tapping-Mode Atomic Force Microscopy and Phase-Imaging in Higher Eigenmodes", Applied Physics Letters, Volume 74, Number 22, May 31, 1999, pp. 3296-3298	
RR		HILLENBRAND et al., "Higher-Harmonics Generation in Tapping-Mode Atomic-Force Microscopy: Insights into the Tip-Sample Interaction", Applied Physics Letters, Volume 26, Number 23, June 5, 2000, pp. 3478-3480	
RR		RABE et al., "Imaging and Measurement of Local Mechanical Material Properties by Atomic Force Acoustic Microscopy", Surface and Interface Analysis, 2002, Volume 33, pp. 65-70	
RA		STARK et al., "Inverting Dynamic Force Microscopy: From Signals to Time-Resolved Interaction Forces", PNAS, June 25, 2002, Volume 99, No. 13, pp. 8473-8478	

Examiner Signature	RAEVIS	Date Considered	8-31-04
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